

AS4317

FEDERAL SUPPLY CLASS  
4730

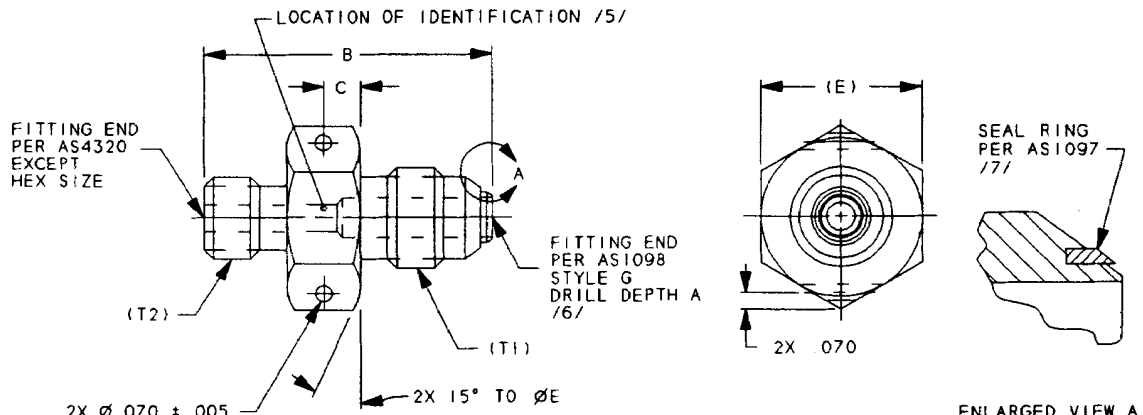
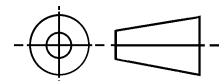


FIGURE 1 - REDUCER, ADAPTER, FLARED TUBE TO BOSS

TABLE 1 - DIMENSIONS

| BASIC<br>NUMBER<br>AS4317<br>/13/<br>SIZE<br>CODE | FLARED<br>TUBE<br>END<br>TUBE<br>OD | FLARED TUBE<br>END<br>T1 THREAD<br>PER<br>MIL-S-8879 | BOSS<br>END<br>TUBE<br>OD | BOSS END<br>T2 THREAD<br>PER<br>MIL-S-8879 | A    | B<br>+.000<br>-.063 | C<br>±.030 | E     |
|---------------------------------------------------|-------------------------------------|------------------------------------------------------|---------------------------|--------------------------------------------|------|---------------------|------------|-------|
| 0402                                              | .250                                | .4375-20 UNJF                                        | .125                      | .3125-24 UNJF                              | .452 | 1.100               | .092       | .688  |
| 0403                                              | .250                                | .4375-20 UNJF                                        | .188                      | .3750-24 UNJF                              | .452 | 1.066               | .073       | .688  |
| 0602                                              | .375                                | .5625-18 UNJF                                        | .125                      | .3125-24 UNJF                              | .457 | 1.242               | .160       | .813  |
| 0603                                              | .375                                | .5625-18 UNJF                                        | .188                      | .3750-24 UNJF                              | .457 | 1.208               | .141       | .813  |
| 0604                                              | .375                                | .5625-18 UNJF                                        | .250                      | .4375-20 UNJF                              | .457 | 1.335               | .187       | .813  |
| 0605                                              | .375                                | .5625-18 UNJF                                        | .312                      | .5000-20 UNJF                              | .457 | 1.335               | .176       | .813  |
| 0802                                              | .500                                | .7500-16 UNJF                                        | .125                      | .3125-24 UNJF                              | .538 | 1.357               | .167       | 1.000 |
| 0803                                              | .500                                | .7500-16 UNJF                                        | .188                      | .3750-24 UNJF                              | .538 | 1.323               | .148       | 1.000 |
| 0804                                              | .500                                | .7500-16 UNJF                                        | .250                      | .4375-20 UNJF                              | .538 | 1.450               | .194       | 1.000 |
| 0805                                              | .500                                | .7500-16 UNJF                                        | .312                      | .5000-20 UNJF                              | .538 | 1.450               | .183       | 1.000 |
| 0806                                              | .500                                | .7500-16 UNJF                                        | .375                      | .5625-18 UNJF                              | .538 | 1.445               | .176       | 1.000 |
| 1004                                              | .625                                | .8750-14 UNJF                                        | .250                      | .4375-20 UNJF                              | .618 | 1.533               | .185       | 1.125 |
| 1006                                              | .625                                | .8750-14 UNJF                                        | .375                      | .5625-18 UNJF                              | .618 | 1.528               | .167       | 1.125 |
| 1008                                              | .625                                | .8750-14 UNJF                                        | .500                      | .7500-16 UNJF                              | .618 | 1.567               | .136       | 1.125 |
| 1204                                              | .750                                | 1.0625-12 UNJ                                        | .250                      | .4375-20 UNJF                              | .703 | 1.686               | .209       | 1.375 |
| 1205                                              | .750                                | 1.0625-12 UNJ                                        | .312                      | .5000-20 UNJF                              | .703 | 1.686               | .198       | 1.375 |
| 1206                                              | .750                                | 1.0625-12 UNJ                                        | .375                      | .5625-18 UNJF                              | .703 | 1.681               | .191       | 1.375 |
| 1208                                              | .750                                | 1.0625-12 UNJ                                        | .500                      | .7500-16 UNJF                              | .703 | 1.719               | .159       | 1.375 |

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ KSC-F-124

**SAE** The Engineering Society  
For Advancing Mobility  
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**AEROSPACE STANDARD**

REDUCER, ADAPTER, FLARED TUBE  
TO BOSS, FOR SEAL RING

**AS4317**  
SHEET 1 OF 3

ISSUED 1993-08 REAFFIRMED 2001-12

TABLE 1 - DIMENSIONS (CONTINUED)

| BASIC<br>NUMBER<br>AS4317<br>/13/<br>SIZE<br>CODE | FLARED<br>TUBE<br>END<br>TUBE<br>OD | FLARED TUBE<br>END<br>T1 THREAD<br>PER<br>MIL-S-8879 | BOSS<br>END<br>TUBE<br>OD | BOSS END<br>T2 THREAD<br>PER<br>MIL-S-8879 | A     | B<br>+.000<br>-.063 | C    | E     |
|---------------------------------------------------|-------------------------------------|------------------------------------------------------|---------------------------|--------------------------------------------|-------|---------------------|------|-------|
| 1210                                              | .750                                | 1.0625-12 UNJ                                        | .625                      | .8750-14 UNJF                              | .703  | 1.816               | .185 | 1.375 |
| 1604                                              | 1.000                               | 1.3125-12 UNJ                                        | .250                      | .4375-20 UNJF                              | .741  | 1.722               | .203 | 1.625 |
| 1608                                              | 1.000                               | 1.3125-12 UNJ                                        | .500                      | .7500-16 UNJF                              | .741  | 1.809               | .181 | 1.625 |
| 1610                                              | 1.000                               | 1.3125-12 UNJ                                        | .625                      | .8750-14 UNJF                              | .741  | 1.852               | .179 | 1.625 |
| 1612                                              | 1.000                               | 1.3125-12 UNJ                                        | .750                      | 1.0625-12 UNJ                              | .741  | 1.912               | .175 | 1.625 |
| 2004                                              | 1.250                               | 1.6250-12 UNJ                                        | .250                      | .4375-20 UNJF                              | .778  | 1.965               | .301 | 1.875 |
| 2012                                              | 1.250                               | 1.6250-12 UNJ                                        | .750                      | 1.0625-12 UNJ                              | .778  | 2.202               | .296 | 1.875 |
| 2016                                              | 1.250                               | 1.6250-12 UNJ                                        | 1.000                     | 1.3125-12 UNJ                              | .778  | 2.202               | .278 | 1.875 |
| 2416                                              | 1.500                               | 1.8750-12 UNJ                                        | 1.000                     | 1.3125-12 UNJ                              | .878  | 2.159               | .194 | 2.125 |
| 2420                                              | 1.500                               | 1.8750-12 UNJ                                        | 1.250                     | 1.6250-12 UNJ                              | .878  | 2.154               | .192 | 2.125 |
| 2820                                              | 1.750                               | 2.2500-12 UNJ                                        | 1.250                     | 1.6250-12 UNJ                              | .978  | 2.373               | .239 | 2.500 |
| 2824                                              | 1.750                               | 2.2500-12 UNJ                                        | 1.500                     | 1.8750-12 UNJ                              | .978  | 2.404               | .230 | 2.500 |
| 3224                                              | 2.000                               | 2.5000-12 UNJ                                        | 1.500                     | 1.8750-12 UNJ                              | 1.078 | 2.529               | .230 | 2.750 |
| 3228                                              | 2.000                               | 2.5000-12 UNJ                                        | 1.750                     | 2.2500-12 UNJ                              | 1.078 | 2.684               | .282 | 2.750 |

TABLE 2 - WEIGHTS

| BASIC<br>NUMBER<br>AS4317<br>/13/<br>SIZE CODE | LB/EA<br>MAX<br>ALUM | LB/EA<br>MAX<br>CRES | BASIC<br>NUMBER<br>AS4317<br>/13/<br>SIZE CODE | LB/EA<br>MAX<br>ALUM | LB/EA<br>MAX<br>CRES | BASIC<br>NUMBER<br>AS4317<br>/13/<br>SIZE CODE | LB/EA<br>MAX<br>ALUM | LB/EA<br>MAX<br>CRES |
|------------------------------------------------|----------------------|----------------------|------------------------------------------------|----------------------|----------------------|------------------------------------------------|----------------------|----------------------|
| 0402                                           | .0170                | .0471                | 1006                                           | .0730                | .202                 | 2012                                           | .316                 | .875                 |
| 0403                                           | .0160                | .0442                | 1008                                           | .0731                | .203                 | 2016                                           | .302                 | .839                 |
| 0602                                           | .0317                | .0877                | 1204                                           | .125                 | .347                 | 2416                                           | .333                 | .923                 |
| 0603                                           | .0298                | .0826                | 1205                                           | .121                 | .336                 | 2420                                           | .340                 | .943                 |
| 0604                                           | .0364                | .1010                | 1206                                           | .119                 | .329                 | 2820                                           | .410                 | 1.150                |
| 0605                                           | .0354                | .0979                | 1208                                           | .115                 | .319                 | 2824                                           | .431                 | 1.210                |
| 0802                                           | .0534                | .148                 | 1210                                           | .127                 | .351                 | 3224                                           | .502                 | 1.410                |
| 0803                                           | .0503                | .139                 | 1604                                           | .172                 | .476                 | 3228                                           | .600                 | 1.680                |
| 0804                                           | .0599                | .166                 | 1608                                           | .167                 | .464                 |                                                |                      |                      |
| 0805                                           | .0582                | .161                 | 1610                                           | .170                 | .472                 |                                                |                      |                      |
| 0806                                           | .0568                | .158                 | 1612                                           | .177                 | .490                 |                                                |                      |                      |
| 1004                                           | .0769                | .213                 | 2004                                           | .307                 | .852                 |                                                |                      |                      |